



(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER See Notification (Form PCT/IS/	n of Transmittal of International Search Report V220) as well as, where applicable, Item 5 below.
I 100873-1 WO International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
ткетацопа аррісацоп но.	• , , , , ,	
PCT/GB 03/04655	28/10/2003	31/10/2002
Applicant		
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ASTRAZENECA AB		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching A Insmitted to the International Bureau.	uthority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in the	als report.
1. Basis of the report		
 a. With regard to the language, the language in which it was filed, unl 	nternational search was carried out on the l ess otherwise indicated under this item.	pasis of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation o	f the international application furnished to this
 With regard to any nucleotide and was carried out on the basis of the 		international application, the International search
	nal application in written form.	
filed together with the inte	mational application in computer readable for	orm.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
the statement that the sub international application as	sequently fumished written sequence listing s filed has been furnished.	does not go beyond the disclosure in the
the statement that the info furnished	rmation recorded in computer readable form	is identical to the written sequence listing has been
2. Certain claims were four	d unsearchable (See Box I).	
3. Unity of invention is lack	ing (see Box II).	
4. With regard to the title,		
the text is approved as sub	omitted by the applicant.	
X the text has been establish	ed by this Authority to read as follows:	
ASSAY FOR THE SCREENING	G OF COMPOUNDS ACTING THRO	UGH ERBB-2
	•	
5. With regard to the abstract,		
	• • •	ority as it appears in Box III. The applicant may, apport, submit comments to this Authority.
6. The figure of the drawings to be public	shed with the abstract is Figure No.	
as suggested by the applic	ant.	X None of the figures.
because the applicant faile	d to suggest a figure.	
because this figure better of	haracterizes the invention.	

Form PCT/ISA/210 (first sheet) (July 1998)

International PCT/GB 00/04655

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, BIOSIS, WPI Data, EMBASE, MEDLINE, CHEM ABS Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 804 396 A (PLOWMAN GREGORY D) 8 September 1998 (1998-09-08) column 18, line 30 -column 19, line 6; claims 1-18; examples 1-3	1-10
X	WO 02 09684 A (ISTVAN ENYEDY; SHAOMENG WANG (US); DAJUN YANG (US); UNIV GEORGETOWN) 7 February 2002 (2002-02-07) page 12, line 4 -page 16, line 5; figure 1; table 1/	1-10

Turner documents are used in the continuation of box o.	A Tacini laning the libers are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
20 February 2004	04/03/2004
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer
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		PC1/GB / 04055	
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	RAM TRACY G ET AL: "Blocking HER-2/HER-3 function with a dominant negative form of HER-3 in cells stimulated by heregulin and in breast cancer cells with HER-2 gene amplification" CELL GROWTH AND DIFFERENTIATION, vol. 11, no. 3, March 2000 (2000-03), pages 173-183, XP001179375 ISSN: 1044-9523 the whole document	1-10	
A	WO 02 41828 A (ZENG YIXING; WANG JINGSON (CN); ZHU XIAO F (CN); YANG DAJUN (US)) 30 May 2002 (2002-05-30) page 12, paragraph 2 -page 13, paragraph 1	1-10	
A	RAM T G ET AL: "PHOSPHATIDYLINOSITOL 3-KINASE RECRUITMENT BY P185-ERB-2 AND ERB-3 IS POTENTLY INDUCED BY NEU DIFFERENTIATION FACTOR/HEREGULIN DURING MITOGENESIS AND IS CONSTITUTIVELY ELEVATED IN GROWTH FACTOR-INDEPENDENT BREAST CARCINOMA CELLS WITH C-ERB-2 GENE AMPLIFICATION" CELL GROWTH AND DIFFERENTIATION, THE ASSOCIATION, PHILADELPHIA, PA, US, vol. 7, no. 5, May 1996 (1996-05), pages 551-561, XP008027248 ISSN: 1044-9523 cited in the application the whole document	1-10	
A	RAM TRACY G ET AL: "Insulin-like growth factor and epidermal growth factor independence in human mammary carcinoma cells with c-erbB-2 gene amplification and progressively elevated levels of tyrosine-phosphorylated pl85-erbeta-B-2" MOLECULAR CARCINOGENESIS, vol. 15, no. 3, 1996, pages 227-238, XP009025948 ISSN: 0899-1987 the whole document	1-10	
	RAM TRACY G ET AL: "Heregulin-beta is especially potent in activating phosphatidylinositol 3-kinase in nontransformed human mammary epithelial cells" JOURNAL OF CELLULAR PHYSIOLOGY, vol. 183, no. 3, June 2000 (2000-06), pages 301-313, XP009025944 ISSN: 0021-9541 the whole document	1-10	

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Internation Pication No PCT/GB /04655

C-(Continu	istion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LEWIS G D ET AL: "GROWTH REGULATION OF HUMAN BREAST AND OVARIAN TUMOR CELLS BY HEREGULIN: EVIDENCE FOR THE REQUIREMENT OF ERBB2 AS A CRITICAL COMPONENT IN MEDIATING HEREGULIN RESPONSIVENESS" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 56, 15 March 1996 (1996-03-15), pages 1457-1465, XP002910611 ISSN: 0008-5472 the whole document	1-10
A	MENDELSOHN J ET AL: "THE EGF RECEPTOR FAMILY AS TARGETS FOR CANCER THERAPY" ONCOGENE, BASINGSTOKE, HANTS, GB, vol. 19, no. 56, 2000, pages 6550-6565, XP001010397 ISSN: 0950-9232 cited in the application the whole document	1-10
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mation on patent family members

PCT/L 3/04655

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US 5804396	Α	08-09-1998	NONE		
WO 0209684	A	07-02-2002	CA WO	2417500 A1 0209684 A2	07-02-2002 07-02-2002
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